

Dr. Shafiqul Islam

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Session Title: Water and land resource management, sustainability and environment impact as Discussant.

Dr. Shafiqul Islam is Professor of Civil and Environmental Engineering and Professor of Water Diplomacy at the Fletcher School of Law and Diplomacy at Tufts. He was the first Bernard M. Gordon Senior Faculty Fellow in Engineering at Tufts University. Professor Islam's teaching and research interests are to understand, characterize, measure, and model water issues ranging from climate to cholera to water diplomacy with a focus on scale issues and remote sensing. His research group WE REASoN integrates "theory and practice" and "think and do" to create actionable water knowledge. He maintains a diverse network of national and international partnerships including MIT, Columbia University, Purdue University, Penn State University, Princeton, BUET in Bangladesh, University of Tokyo, ETH in Switzerland, ICDDRDB in Bangladesh, IIT in India, and SaciWATERS to conduct multi-year and multi-million dollar interdisciplinary collaborative research for a wide range of problems focusing on water, health, and climate. His major research sponsors include the National Science Foundation, National Institute of Health, and the National Aeronautics and Space Administration. Dr. Islam maintains an active national and international consulting and training practice including: flood forecasting in India; national water planning in Bangladesh; water policy planning for ExxonMobil; and advising South Asian Consortium of Interdisciplinary Water initiatives. He acted as consultant to the World Bank, United States Geological Survey, Proctor and Gamble, and several other governmental and non-governmental organizations. He has published more than 100 refereed journal and other publications. His research findings have been featured in numerous media outlets including the BBC World Service, Voice of America, Boston Globe, Huffington Post, Nature, and Yale E360. To learn more about Dr. Islam's academic interests and research, please visit WE REASoN and Water Diplomacy.